Applicant: Meggiolan
Application No.: 10/341,349

IN THE CLAIMS

1. (currently amended) A spoked bicycle wheel comprising:

a hub with a first securing portion spaced apart from a second securing portion in a direction of a longitudinal axis of the hub;

a rim;

a plurality of spoke groups of four spokes each that connect the hub and the rim, wherein two of the spokes in each spoke group are attached to the first portion of the hub and the remaining two spokes in the spoke group are attached to the second portion of the hub;

wherein each spoke grouping is equidistantly spaced from each adjacent spoke grouping; and

wherein each spoke group is separated from an adjacent spoke group by a distance around a circumference of the rim greater than a distance around the circumference of the rim between adjacent spokes of each spoke group.

2. (cancelled)

3. (cancelled)

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4.   (original) The wheel of claim 1 wherein the points of attachment on the rim of the spokes of each radial member are mutually equidistant around the circumference of the rim.

5.   (original) The wheel of claim 1 wherein the spokes of each group comprise at least one spoke in a clockwise orientation.

6.   (original) The wheel of claim 1 wherein the spokes of each group comprise at least one spoke in a counter-clockwise orientation.

7.   (original) The wheel of claim 1 wherein the total of number of spokes on the wheel oriented in a clockwise direction is the same as the total number of spokes on the wheel oriented in a counter-clockwise direction.

8.   (currently amended) A method for the assembly of a wheel for a bicycle, comprising the steps:

assembling a plurality of spoke groupings of four spokes each that connect a rim and a hub having a first securing portion spaced apart from a second securing portion in a direction of a longitudinal axis of the hub, wherein two of the spokes in

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each spoke group are attached to the first portion of the hub, and the remaining two spokes in the spoke group are attached to the second portion of the hub; and

tensioning of the spokes in order to achieve centering of the wheel;

wherein each spoke grouping is equidistantly spaced from each adjacent spoke grouping; and

wherein each spoke group is separated from an adjacent spoke group by a distance around a circumference of the rim greater than a distance around the circumference of the rim between adjacent spokes of each spoke group.

9.   (currently amended)   A spoked wheel having a hub and a rim connected together by a plurality of spokes, the wheel comprising:

an elongated hub having spaced apart first and second securing portions that define a plurality of spoke receiving apertures which are spaced circumferentially about a central axis through the hub;

a rim having a plurality of spoke receiving apertures defined therein; and

a plurality of spoke groups of four spokes each that connect the hub and the rim, wherein two of the spokes in each spoke group are attached to the first portion of the hub at the spoke apertures of the hub and the remaining two spokes in the spoke group are attached to the second portion of the spoke apertures of the hub, and wherein all of the spokes are attached to the spoke apertures of the rim;

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wherein the spokes of each group are subdivided into equidistant pairs, each pair comprising a radial spoke and a non-radial spoke; and

wherein each spoke group is separated from an adjacent spoke group by a distance around a circumference of the rim greater than a distance around the circumference of the rim between adjacent spokes of each spoke group.

10.   (cancelled)

11.   (cancelled)

12.   (original)   The wheel of claim 9 wherein each spoke is connected to the rim at a point equidistant from either one of two edges of the rim.

13.   (original)   The wheel of claim 9 wherein the spokes of each group comprise at least one spoke in a clockwise orientation.

14.   (original)   The wheel of claim 9 wherein the spokes of each group comprise at least one spoke in a counter-clockwise orientation.

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15.   (original)   The wheel of claim 9 wherein the total of number of spokes on the wheel oriented in a clockwise direction is the same as the total number of spokes on the wheel oriented in a counter-clockwise direction.

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